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H. [NL/NL]; Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).

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(74) Agent: **DUSSELDORP, Jan, C.**; Internationaal Octrooibureau B.V., Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).

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(71) Applicant (*for all designated States except US*): **LU-MILEDS LIGHTING NETHERLANDS B.V.** [NL/NL]; De Rijn 2, NL-5684 PJ Best (NL).

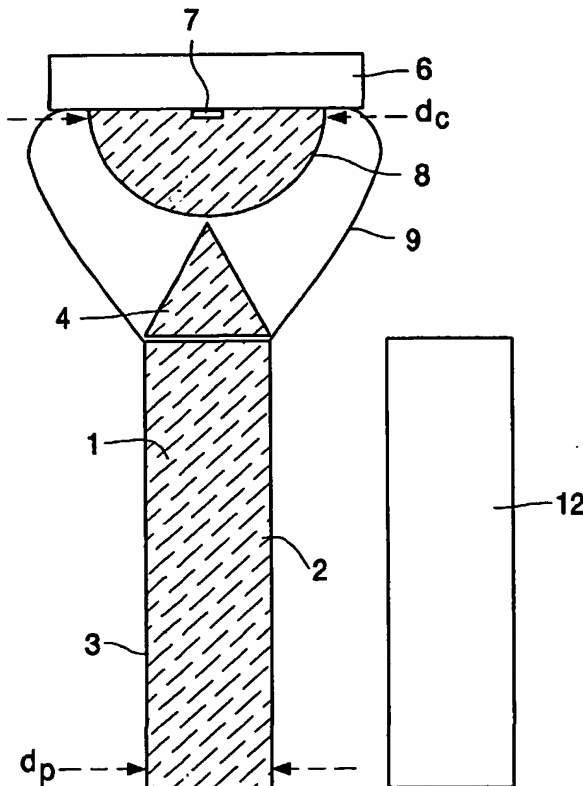
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(72) Inventor; and

(75) Inventor/Applicant (*for US only*): **KEUPER, Matthijs,**

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(54) Title: **COMPACT LIGHTING SYSTEM AND DISPLAY DEVICE**



(57) Abstract: A compact backlight system for illuminating a display device (12) has a front wall (2) and a rear wall (3) situated opposite thereto. At least one light source (6) comprising a light-emitting diode (7) is provided with a translucent lens-shaped cover (8). The system has at least one light input structure (4) for coupling light from the light source (6) into the light-emitting panel (1). During operation, light originating from the light source (6) is incident on the light input structure (4) and distributes itself in the light-emitting panel (1). According to the invention the light input structure (4) is conically or frustoconically shaped towards the light source (6). The thickness d_p of the light-emitting panel (1) is smaller than the diameter d_c of the translucent lens-shaped cover (8) of the light source (6). Preferably, the light input structure (4) is of prismatic or pyramidal shape.

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

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C. DOCUMENTS CONSIDERED TO BE RELEVANT

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| A | US 5 590 945 A (SIMMS NORMAN) 7 January 1997 (1997-01-07) abstract column 5, line 11 -column 5, line 18 figure 8 | 1-10 |
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Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Bagge Af Berga, H

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